

Projections of purchase for next 3-5 years

1. Projection of vaccines:

(Quantities in lakh doses)

Requirement for Routine Immunization			
Sl. No.	Name of Vaccines	Anticipated requirement for next 3 years	Anticipated requirement for next 5 years
1	BCG	1944	3240
2	bOPV (RI)*	4320	7200
3	DPT	1440	2400
4	Hep-B	432	720
5	IPV*	432	720
6	JE (RI)*	900	1500
7	MR	2160	3600
8	PCV*	432	720
9	Pentavalent	2340	3900
10	Rotavirus	2340	3900
11	Td	2340	3900
Requirement for Campaign			
Sl. No.	Name of vaccine	Anticipated requirement for next 3 years	Anticipated requirement for next 5 years
1	bOPV *	12750	21250
2	MR	MR campaign has been completed in entire country except Delhi and West Bengal. These two States had postpone the MR campaign and till date has not decided the next date. In case, the date gates finalized total requirement for the activity would be about 345 lakh doses.	
3	JE	The trend of JE vaccine requirement for campaign cannot be anticipated, as the new areas are identified by NVBDCP with time along with the area for adult JE vaccination campaign.	

***Note for bOPV, IPV, JE and PCV:-**

- **bOPV:** There were two types of OPV used under programme till 2016. As a part of Global Polio Endgame Strategy, the use of tOPV was withdrawn in 2016. In continuation to the same, eventually the use of bOPV will be withdrawn. Thus, requirement of bOPV given above may change.
- **IPV:** As per the Global Polio Endgame Strategy, at present 2 fractional doses of IPV are being administered in the Universal Immunization Programme. In case, if the strategy changes, requirement may vary accordingly.
- **JE:** The projection for JE vaccine under routine immunization has been made considering the monthly consumption of current JE endemic area. In case, new JE endemics area gets identified by NVBDCP, consumption will also increase accordingly.
- **PCV:** Requirement of PCV vaccine is projected for existing states after GAVI support which is to be end in Mar'21. Requirement may vary in event of nationwide expansion of the vaccine, which will then be equivalent to the requirement of Pentavalent vaccine.

2. Projection of syringes:

(Quantities in lakh)

Requirement of syringes* for Universal Immunization Programme			
Sl. No.	Name of Syringe	Anticipated requirement for next 3 years	Anticipated requirement for next 5 years
1	0.1 ml AD Syringe	2692.8	4488.0
2	0.5 ml AD Syringe	11415.6	19026.0
3	5 ml Disposable Syringe	1245.6	2076.0

*The requirement of syringes may vary according to the change in vaccine requirement as mentioned at sl. no. 1 above.

3. Projection of Cold Chain Equipment:

(Quantities in numbers)

Requirement of Cold Chain Equipment* for Universal Immunization Programme			
Sl. No.	Name of Equipment	Anticipated requirement for next 3 years	Anticipated requirement for next 5 years
1	ILR (Small)	11553	23618
2	ILR (Large)	1645	3363
3	DF(Small)	9841	20119
4	DF(Large)	4481	9162
5	WIC(16.5 / 32 / 40 Cubic Meter)	20	40
6	WIF(20 Cubic Meter)	8	17
7	Cold Box(Small)	22273	49254
8	Cold Box(Large)	27531	60881
9	Vaccine carrier	546657	1208865
10	Stem Thermometer	134727	297932
11	Ice packs	4428801	9793754

*As mentioned in above table, the requirement was prepared in 2018-19, on the basis of target population and demand submitted by States/UTs. Requirement of above mentioned equipment may vary keeping in view of store specific cold chain space requirement as per vaccine availability, availability of existing CCE (electrical & Non-Electrical), systematic phase out of CFC equipment, gradual expansion of new cold chain points, and replacement of beyond economic repair equipment & ageing equipment.